REMARKS

Claims 1, 7, 8 and 15 have been amended. Claims 1, 6-8 and 13-18 are pending in the application.

The Examiner rejected claims 8, 13, and 15 under 35 U.S.C. 112, second paragraph, as being allegedly indefinite. The Examiner rejected claims 1, 6-8, 13, 16 and 17 under 35 U.S.C. 103(a) as allegedly being unpatentable over Ayano *et al.* (4,383,903) in view of McCormick *et al.* (5,215,860). The Examiner rejected claims 1, 6-8, 13,16 and 17 under 35 U.S.C. § 103(a) as being allegedly unpatentable over Gaku *et al.* (4,533,727) in view of McCormick *et al.* (5,215,860) and Shimp (4,709,008). The Examiner rejected claims 13-15 and 18 as allegedly unpatentable under 35 U.S.C. 103(a) over Ayano *et al.* (4,383,903) in view of McCormick *et al.* (5,215,860). The Examiner rejected claims 13-15 and 18 under 35 U.S.C. 103(a) as being allegedly unpatentable over Ayano *et al.* (5,215,860), in view of McCormick *et al.* (5,250,848), as applied to claims 1, 7 and 8 above, and further in view of Christie *et al.* (5,250,848) or Swei (5,182,173). The Examiner rejected Claims 13-15 and 18 under 35 U.S.C. 103(a) as being allegedly unpatentable over Gaku *et al.* (4,533,727) in view of McCormick *et al.* (5,215,860) and Shimp (4,709,008), as applied to claims 1, 7, and 8 above, and further in view of Christie *et al.* (5,250,848) or Swei (5,182,173).

Applicant respectfully traverses the 35 U.S.C. § 112, second paragraph and 103(a) rejections in the following discussion.

35 U.S.C. § 112, second paragraph

The Examiner rejected claims 8, 13, and 15 under 35 U.S.C. 112, second paragraph, as being allegedly indefinite. Applicants respectfully traverse the Examiner's rejection of Claim 8

because Claim 8 clearly claims "a composition, comprising:". Applicants respectfully traverse the Examiner's rejection alleging that Claim 1 lacks antecedent basis because Claim 15 has been amended, stating "an amount of **a** surface treating agent" (emphasis added).

35 U.S.C. § 103(a)

The Examiner rejected claims 1, 6-8, 13, 16 and 17 under 35 U.S.C. 103(a) as allegedly being unpatentable over Ayano *et al.* (4,383,903) in view of McCormick *et al.* (5,215,860). Applicants respectfully traverse the Examiner's rejection, maintaining the combination of Ayano *et al.* (4,383,903) in view of McCormick *et al.* (5,215,860) do not teach or suggest the invention as now claimed. Applicants' Claims 1, and 8 claim "[A] composition **for reinforcing a bond,** comprising: a cyanate ester resin consisting essentially of a cationically polymerizable cyanate ester monomer, a cyanate ester prepolymer, or a mixture of the monomer and prepolymer;" or Applicants' Claim 7 claims a process for using the composition of Claims 1 and 8 (emphasis added). Furthermore, Applicants respectfully contend that the none of the prior art references cited by the Examiner teach or suggest a composition "**consisting essentially of** a cationically polymerizable cyanate ester monomer, a cyanate ester prepolymer, or a mixture of the monomer and prepolymer;" as claimed in Applicants' Claims 1, 7, and 8 (emphasis added).

Applicants respectfully contend that none of the Examiner's cited prior art teaches or suggests the composition of Applicants' Claims 1, 7 and 8, wherein the composition for reinforcing a bond comprises: a cyanate ester resin **consisting essentially of** a cationically polymerizable cyanate ester monomer, a cyanate ester prepolymer, or a mixture of the monomer and prepolymer;" or Applicants' Claim 7 claims the process for using the composition of Claims 1 and 8 (emphasis added). Neither Ayano *et al.* nor McCormick *et al.* teach or suggest a cyanate

ester resin **consisting essentially of** a cationically polymerizable cyanate ester monomer, a cyanate ester prepolymer, or a mixture of the monomer and prepolymer;" as in Applicants' Claims 1 and 8 nor the process of using the composition of Claims 1 and 8 as in Applicants' Claim 7 (emphasis added). In contrast, Ayano *et al.* nor McCormick *et al.* teach or suggest ethylenically unsaturated resin precursors.

Therefore, Applicants respectfully submit that Claims 1, 6-8, 13, 16 and 17 are in condition for allowance under 35 U.S.C. §103(a) because Ayano *et al.* (4,383,903) in view of McCormick *et al.* do not teach or suggest the composition **for reinforcing a bond** or the process of using the composition for **reinforcing a bond** or a cyanate ester resin **consisting essentially of** a cationically polymerizable cyanate ester monomer, a cyanate ester prepolymer, or a mixture of the monomer and prepolymer;" as in Applicants' Claims 1 and 8 (emphasis added).

The Examiner rejected Claims 1, 6-8, 13, 16 and 17 under 35 U.S.C. §103(a) as allegedly unpatentable over Gaku *et al.* (4,533,727) in view of McCormick *et al.* (5,215,860) and Shimp (4,709,008). Applicants respectfully traverse the Examiner's rejection maintaining that claims 1, 6-8, 13, 16 and 17 are patentable over Gaku *et al.* (4,533,727) in view of McCormick *et al.* (5,215,860) and Shimp (4,709,008) for the same reason that Applicants traversed the Examiner's rejection of Claims 1, 6-8, 13, 16 and 17 over Ayano *et al.* in view of McCormick *et al.*, *supra.*

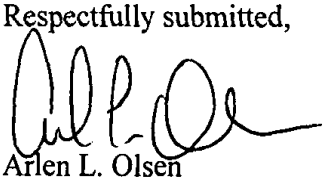
In light of the foregoing discussion, Applicants respectfully submit that independent Claims 1, 7 and 8 and dependent Claims 6 and 13-18 depending from Claims 1, 7, and 8 are in condition for allowance under 35 U.S.C. § 103(a) because the Examiner's alleged rejections under 35 U.S.C. § 103(a) are defective because Ayano *et al.*, Gaku *et al.* in view of McCormick *et al.*, Shimp *et al.* or Swei *et al.* do not teach or suggest the composition **for reinforcing a bond**

or the process of using the composition for **reinforcing a bond** of Claims 1, 6-8, 13, 16 and 17. Applicants respectfully contend the prior art cited by the Examiner does not teach or suggest a cyanate ester resin **consisting essentially of** a cationically polymerizable cyanate ester monomer, a cyanate ester prepolymer, or a mixture of the monomer and prepolymer;" as in Applicants' Claims 1 and 8 (emphasis added). Applicants respectfully consider Claims 1, 6-8 and 13-18 to be in condition for allowance.

CONCLUSION

Applicants submit that the entire application is in condition for allowance. However, should the Examiner believe anything further is necessary in order to place the application in better condition for allowance, or if the Examiner believes that a telephone interview would be advantageous to resolve the issues presented, the Examiner is invited to contact the Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,



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Appendix - Identification of Amended Material

IN THE CLAIMS:

1. (FIFTH AMENDED) A composition for reinforcing a bond, comprising:

a cyanate ester resin consisting essentially of a cationically polymerizable cyanate ester monomer, a cyanate ester prepolymer, or a mixture of the monomer and prepolymer;

a filler for controlling thermal expansion of said composition and for assisting in reinforcing said bond; and

a polymerization photoinitiator comprised of a catalytically effective amount of an organometallic complex salt having a metal cation, upon photolysis, said polymerization photoinitiator liberating at least one coordination site and polymerizing the cyanate ester substance, wherein said metal cation in the organometallic complex is selected from the group consisting of elements of Periodic Groups IVB, VB, VIB, VIIB, and VIIIB.

7. (FOURTH AMENDED) A process for reinforcing a bond, said process comprising the steps of:

providing a cyanate ester substance consisting essentially of a cationically polymerizable cyanate ester monomer, a cyanate ester prepolymer, or a mixture of the monomer and prepolymer;

adding to the cyanate ester substance an effective amount of a filler for controlling thermal expansion of said composition and for assisting in reinforcing said bond; and

adding to the cyanate ester substance a polymerization photoinitiator comprised of a catalytically effective amount of an organometallic complex salt having a metal cation, upon

photolysis, the polymerzation photoinitiator liberating at least one coordination site and curing the cyanate ester substance, wherein said metal cation in the organometallic complex is selected from the group consisting of elements of Periodic Groups IVB, VB, VIB, VIIB, and VIIIB.

8. (FIFTH AMENDED) A lead protective composition <u>for reinforcing a bond,</u> comprising [the polymerization

product of]:

(a) at least one cyanate monomer;

(b) a polymerization photoinitiator comprised of a catalytically effective amount of an organometallic complex salt having a metal cation, the polymerization photoinitiator liberating at least one coordinative site and polymerizing the at least one cyanate monomer, wherein said metal cation in the organometallic complex is selected from the group consisting of Periodic Groups IVB, VB, VIB, VIIB, and VIIIB; and

(c) a filler for controlling thermal expansion of said composition and for assisting in reinforcing said bond.

15. (SECOND AMENDED) The photoinduced polymerizable cyanate ester composition of claim 1, wherein an amount of <u>a</u> [the] surface treating agent includes from about 3 to about 15 parts based on 100 parts of the resin.